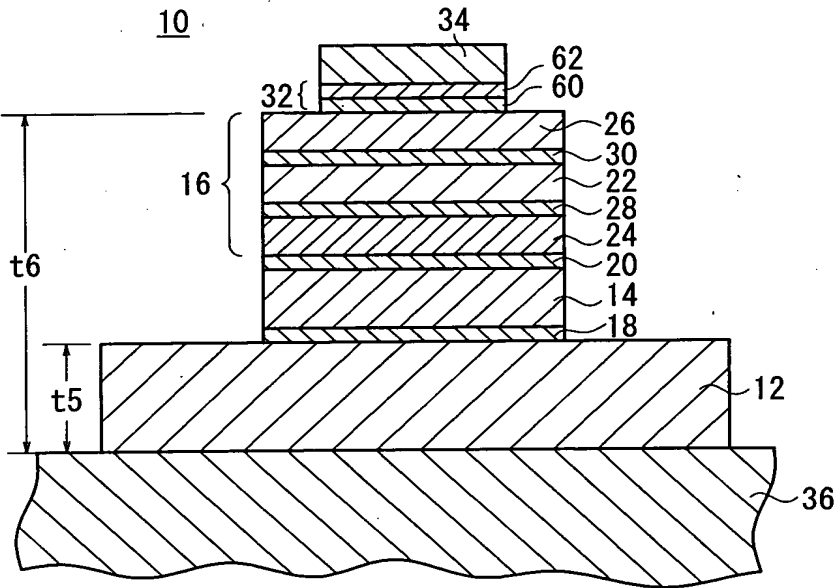
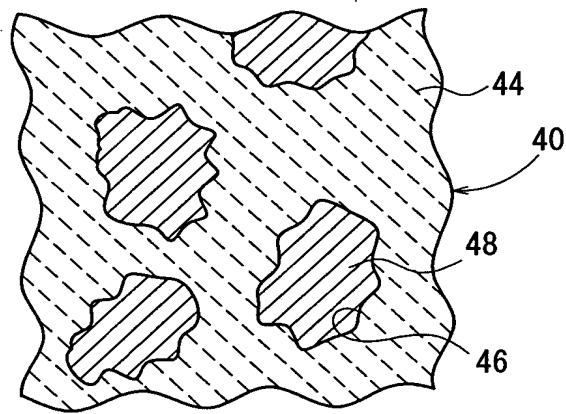


FIG. 1

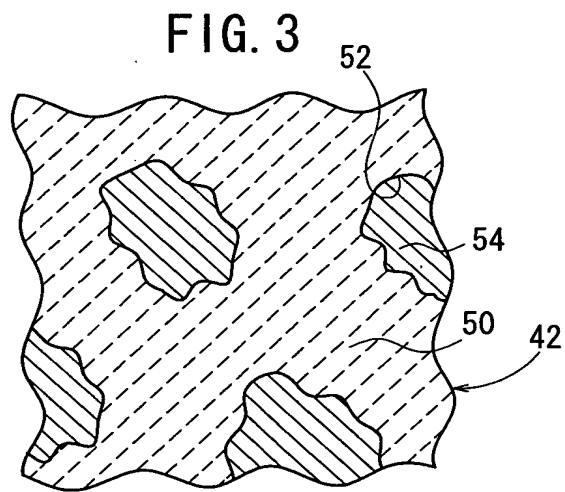


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FIG. 2



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FIG. 4

	t1 (mm)	t2 (mm)	t3 (mm)	t4 (mm)	MATERIAL OF BASE	t5 (mm)	t6 (mm)	t5/t6	λ_b (W/mK)	YS (MPa)	λ_m (W/mK)	DEFORMATION RATIO (%)
COMPARATIVE EXAMPLE 1	0.3	0.3	1	3	PURE COPPER	1	5.6	0.179	395	14	302	100
COMPARATIVE EXAMPLE 2	0.3	0.3	1	3	PURE COPPER	2	6.6	0.303	395	14	312	60
COMPARATIVE EXAMPLE 3	0.3	0.3	1	3	Cu-2.2Sn	2	6.6	0.303	225	165	251	0
EXAMPLE 1	0.3	0.3	1	3	Cu-0.8Cr	0.5	5.1	0.098	357	74	286	0
EXAMPLE 2	0.3	0.3	1	3	Cu-0.8Cr	1	5.6	0.179	357	74	298	0
EXAMPLE 3	0.3	0.3	1	3	Cu-0.8Cr	2	6.6	0.303	357	74	305	0
EXAMPLE 4	0.3	0.3	1	3	Cu-0.8Cr	3	7.6	0.395	357	74	308	0
EXAMPLE 5	0.3	0.3	1	3	Cu-1Cr-0.2Zr	1	5.6	0.179	312	82	282	0
EXAMPLE 6	0.3	0.3	1	3	Cu-1Cr-0.2Zr	2	6.6	0.303	312	82	288	0
EXAMPLE 7	0.3	0.3	1	3	Cu-0.25Zr	1	5.6	0.179	372	65	292	0
EXAMPLE 8	0.3	0.3	1	3	Cu-0.25Zr	2	6.6	0.303	372	65	308	0
EXAMPLE 9	0.3	0.3	1	3	Cu-0.7Ag	2	6.6	0.303	390	47	311	20
EXAMPLE 10	0.3	0.3	1	3	Cu-2.3Fe-0.12Zn-0.03P	2	6.6	0.303	305	87	285	0

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FIG. 5A

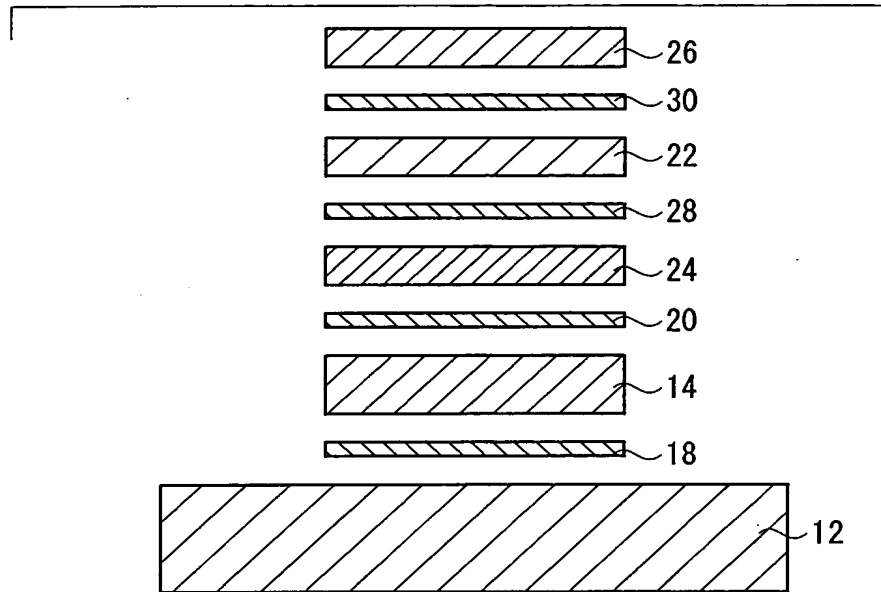


FIG. 5B

